

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for controlling a microcomputer in microcomputer system with a high speed operation mode and a low speed operation mode in which the low speed operation mode speed of the microcomputer is slower than that of the high speed operation mode, ~~said~~ the microcomputer system including a clock operable in the high and the low speed operation modes ~~mode~~ and a backup power supply for supplying the clock with power for a predetermined time, said method comprising ~~steps of:~~
 - detecting power shutdown;
 - ~~changing~~ switching from the high speed operation mode to the low speed operation mode;
 - determining whether ~~the power shutdown~~ is recovered within a given time period; and
 - setting the high speed operation mode when the power ~~shutdown~~ is determined to be recovered.
2. (Original) The method for controlling a microcomputer according to claim 1, wherein the clock measures the given time period in the low speed operation mode.

3. (Currently Amended) The method for controlling a microcomputer according to claim 1, further comprises ~~a step of~~ setting the microcomputer to a stop operation mode to stop operation ~~operations~~ unless the power shutdown is recovered within the given time period.

4. (Currently Amended) The method for controlling a microcomputer according to claim 1, ~~wherein the microcomputer system further comprises a volatile memory for~~ further comprising storing a value representing a time period, which the microcomputer measures during power shutdown, in a volatile memory of the microcomputer system.

5. (Currently Amended) A method for controlling a microcomputer in a microcomputer system with a high speed operation mode and a low speed operation mode in which ~~operations~~ the low speed operation mode of the ~~microcomputer~~ is slower than that of the high speed operation mode, ~~said the~~ microcomputer system including a clock operable in the high and the low speed operation modes ~~mode~~ and a backup power supply for supplying the clock with power for a predetermined time, said method comprising ~~steps of~~:

detecting power shutdown;

~~changing~~ switching from the high speed operation mode to the low speed operation mode;

periodically determining whether ~~the power shutdown~~ is recovered within a first given time period;

~~setting~~ switching to the high speed operation mode when the power ~~shutdown~~ is determined to be recovered; and

setting the microcomputer to a stop operation mode to stop ~~operations~~ operation of the microcomputer unless the power ~~shutdown~~ is recovered within the a second given time period which is longer than the first given time period.

6. (Original) The method for controlling a microcomputer according to claim 5, the second given time period is set to be longer than the first given time period by substantially an integral multiple of the first given time period.

7. (Currently Amended) The method for controlling a microcomputer according to claim 5, ~~wherein the microcomputer system further comprises a volatile memory for~~ further comprising storing a value representing a time period which the microcomputer measures during power shutdown in a volatile memory of the microcomputer system.

8. (Currently Amended) A method for controlling a microcomputer in microcomputer system with a high speed operation mode and a low speed operation mode in which ~~operations~~ the low speed operation mode of the microcomputer is slower than that of the high speed operation mode, said microcomputer system including a clock operable in the high and the low speed

operation ~~modes mode~~ and a backup power supply for supplying the clock with power for a predetermined time, said method comprising ~~steps of:~~

detecting power shutdown;

checking whether the clock is set;

setting the microcomputer to a stop operation mode to stop ~~operations~~

operation of the microcomputer unless the clock is set;

~~changing~~ switching from the high speed operation mode to the low speed operation mode when the clock is set;

periodically determining whether the power ~~shutdown~~ is recovered within a first given time period;

~~setting~~ switching to the high speed operation mode when the power ~~shutdown~~ is determined to be recovered; and

setting the microcomputer to ~~the~~ a stop operation mode unless the power ~~shutdown~~ is recovered within ~~the~~ a second given time period which is longer than the first given time period.

9. (Currently Amended) The method for controlling a microcomputer according to claim 8, ~~wherein the microcomputer system further comprises a volatile memory for~~ further comprising storing a value representing a time period which the microcomputer measures during power shutdown in a volatile memory of the microcomputer system.

Amendments to the Drawings:

Please replace Figure 4 with a replacement sheet containing Figure 4, which is attached to this response.

In the attached replacement sheet, Figure 4 has been amended to include a "Prior Art" label.

Attachment: One Replacement Sheet (Figure 4)